

INTERNATIONAL SEARCH REPORT

International Application No

PCT/CA 02/01475

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 A47L25/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 A47L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category * | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|------------|--|--|
| Y | WO 01 62132 A (PROCTER & GAMBLE) 30 August 2001 (2001-08-30) page 6, line 19 -page 14, line 22; claims 12,13,22,23; figures 1-24 --- | 1,2,6,7, 11-18, 21,24, 30,31, 35,36, 40-45,48 |
| Y | US 4 990 192 A (ALANIA LARRY J ET AL) 5 February 1991 (1991-02-05) claims 1,6,7 --- -/- | 1,2,6,7, 11-18, 21,24, 30,31, 35,36, 40-45,48 |

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex

* Special categories of cited documents:

A document defining the general state of the art which is not considered to be of particular relevance

E earlier document but published on or after the international filing date

L document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

O document referring to an oral disclosure, use, exhibition or other means

P document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

& document member of the same patent family

Date of the actual completion of the international search

20 June 2003

Date of mailing of the international search report

27/06/2003

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Van Gelder, P

INTERNATIONAL SEARCH REPORT

International Application No

PCT/CA 02/01475

| C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT | | |
|--|---|-----------------------------------|
| Category * | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
| A | WO 99 60913 A (ENSSON LARS JOHNNY) 2 December 1999 (1999-12-02) claims 1,6,7 --- | 1-8, 11-13, 30-37, 40-42 |
| A | DE 20 28 029 A (KG HOLSTEINISCHE TEXTILVEREDLU) 16 December 1971 (1971-12-16) --- | |
| A | WO 99 63879 A (MCKAY WILLIAM D) 16 December 1999 (1999-12-16) ----- | |

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/CA 02/01475

| Patent document cited in search report | | Publication date | Patent family member(s) | Publication date |
|---|---|---------------------|----------------------------|---------------------|
| WO 0162132 | A | 30-08-2001 | AU 3866401 A | 03-09-2001 |
| | | | CA 2397426 A1 | 30-08-2001 |
| | | | EP 1259152 A2 | 27-11-2002 |
| | | | WO 0162132 A2 | 30-08-2001 |
| | | | US 2002050016 A1 | 02-05-2002 |
| | | | US 2002042962 A1 | 18-04-2002 |
| | | | US 2003074756 A1 | 24-04-2003 |
| US 4990192 | A | 05-02-1991 | AU 625721 B2 | 16-07-1992 |
| | | | AU 6465590 A | 18-04-1991 |
| | | | CA 2026891 A1 | 17-04-1991 |
| | | | DE 69011624 D1 | 22-09-1994 |
| | | | DE 69011624 T2 | 24-11-1994 |
| | | | EP 0427968 A2 | 22-05-1991 |
| | | | IE 903690 A1 | 24-04-1991 |
| WO 9960913 | A | 02-12-1999 | SE 514542 C2 | 12-03-2001 |
| | | | AU 4403299 A | 13-12-1999 |
| | | | EP 1094743 A1 | 02-05-2001 |
| | | | SE 9801710 A | 15-11-1999 |
| | | | WO 9960913 A1 | 02-12-1999 |
| DE 2028029 | A | 16-12-1971 | DE 2028029 A1 | 16-12-1971 |
| WO 9963879 | A | 16-12-1999 | US 6298517 B1 | 09-10-2001 |
| | | | AU 4555599 A | 30-12-1999 |
| | | | CA 2376800 A1 | 16-12-1999 |
| | | | EP 1119283 A1 | 01-08-2001 |
| | | | JP 2002517268 T | 18-06-2002 |
| | | | WO 9963879 A1 | 16-12-1999 |
| | | | US 6405403 B1 | 18-06-2002 |